DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)):			
•		••	Priority Clai Yes	med
			1 62	140
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997-	60/044,039
2.	May 30; 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

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PCT/US98/10868	May 28, 1998	pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

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Full name of first joint inventor: Steven M. Ruben	-	
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Inventor's signature:	Date: 5/	11/95
Residence: 18528 Heritage Hills Drive, Olney, MD 20832	Citizenship:	US
Post Office Address: same as above		 '
		
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Full name of first joint inventor: Craig A. Rosen		·
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In contain a construer	Date:)//	0/99
Inventor's signature:	Citizenship: /	175
Residence: 22400 Rolling Hill Road/Laytonsville, MD 20882	Chizchship. 1	
Post Office Address: same as above		<u></u>
	·	•
	•	•
Full name of additional joint inventor: Kenneth C. Carter		
Inventor's signature:	Date:	
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878	Citizenship:	US
Post Office Address: same as above	-	,
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	,	
Full name of first joint inventor: Patrick J. Dillon		
	· Dota	٠ .
Inventor's signature:	Date:	US
Residence: 1055 Snipe Court, Carlsbad, CA 92009	Citizenship:	
Post Office Address: same as above		
Full name of additional joint inventor: Gregory A. Endress	•	
Full hame of additional joint inventor.		
		•
Inventor's signature:	Date:	
Residence: 9729 Clagett Farm Drive, Potomac, MD 20954	Citizenship:	US
Post Office Address: same as above	-	
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	. •	
Full name of additional joint inventor: Guo-Liang Yu	·	·
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	Date:	
Inventor's signature:	Citizenship:	CN
Residence: 242 Gravatt Dr., Berkeley, California 94705	— Citizonsinp.	Y
Post Office Address: same as above	· · · · · · · · · · · · · · · · · · ·	

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Ref No: PZ006P1 Serial No: 09/189,144

Full name of first joint inventor:	Jian Ni	
Inventor's signature: Residence: 5502 Manorfield Road, Ro Post Office Address: same as abo		Date: CN
·		· · · · · · · · · · · · · · · · · · ·
Full name of additional joint inventor:	Ping Feng	*
Inventor's signature:	simer rews	Date: 5/14/99
Residence: 4 Relda Court, Gaithers 20	irg, MD 20878	Citizenship: EN U
Post Office Address: same as above		

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Full name of first joint inventor:	Steven M. Ruben		
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Inventor's signature:	•	Date:	, ·
	Drive, Olney, MD 20832	Citizenship:	US
	as above	^	
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W. U mama of first inint inventors	Craig A. Rosen		
Full name of first joint inventor:	Claig A. Rosch	· · ·	
Inventor's signature:		Date:	
Residence: 22400 Rolling Hill I	Road, Laytonsville, MD 20882	Citizenship:	US
Post Office Address: same	as above		
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Full name of additional joint invento	r: Kenneth C. Carter		
Fill name of additional joint invento	Remitted C. Carrer		
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Inventor's signature:	X C. 17h	Date:	5/99
Residence: 11601 Brandy Half	Lane, North Potomac, MD 20878	Citizenship: /	/US
Post Office Address: samé as			·
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Ti II	Patrick J. Dillon	•	
Full name of first joint inventor:	Tattick J. Dinon		
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Inventor's signature:		Date:	
Residence: 1055 Snipe Court, (Carlsbad, CA 92009	Citizenship:	US
Post Office Address: same	as above		
Full name of additional joint invento	Gregory A. Endress		
Full figure of additional joint invente		·	
		•	
Inventor's signature:		Date:	
Residence: 9729 Clagett Farm	Drive, Potomac, MD 20954	Citizenship:	<u>US</u>
Post Office Address: same as	above		
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m w C. Illianal joint inwent	or: Guo-Liang Yu	,	
Full name of additional joint invento	UI. Out-Diang In		
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Inventor's signature:	•	Date:	
Residence: 242 Gravatt Dr., B	Berkeley, California 94705	Citizenship:	CN
	s above		

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Ref No: PZ006P1 Serial No: 09/189,144

Full name of first joint inventor:	Jian Ni		······································
Inventor's signature: Residence: 5502 Manorfield Road,	Rockville, MD 20853	Date: Citizenship:	CN
Post Office Address: same as a	above		
Full name of additional joint inventor:	Ping Feng		·
			٠
Inventor's signature:		Date:	
Residence: 4 Relda Court, Gaithers		Citizenship:	US
Post Office Address: same as abo	ove		

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Full name of first joint inventor:	Steven M. Ruben		101-10-10-10-10-10-10-10-10-10-10-10-10-
Inventor's signature:	•	Date:	
	Drive, Olney, MD 20832	Citizenship:	US
	as above		
			
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Full name of first joint inventor:	Craig A. Rosen		
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Inventor's signature:	-	Date:	
Residence: 22400 Rolling Hill I	Road, Laytonsville, MD 20882	Citizenship:	US
	as above		·
1 Ost Office Fiducess:			
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Full name of additional joint invento	r: Kenneth C. Carter		
•	4.		
		Date:	
Inventor's signature:	Long Morth Dotomas MD 20070	Citizenship:	·US
	Lane, North Potomac, MD 20878	_ Chizchamp.	
Post Office Address: same as	above		
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Full name of first joint inventor:	Patrick J. Dillom		
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1/Act,		Data: 0 61	//3/96
Inventor's signature:	Jan Maria	Date: 06/	1 / / / /TC
Residence: 1055 Snipe Court, C		Citizenship:/	703
Post Office Address: same	as above		
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Full name of additional joint invento	or: Gregory A. Endress		
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Post Office Address: same as	above		
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E-11 name of additional joint invento	or: Guo-Liang Yu		
Full name of additional joint invento	or. Guo Linnig 1.1	· · · · · · · · · · · · · · · · · · ·	
Inventor's signature:		Date:	
Residence: 242 Gravatt Dr., B	erkeley, California 94705	Citizenship:	CN
Post Office Address: same as			

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Inventor's signature: Residence: 5502 Mai		ockville, MD 20853	Date: Citizenship:	CN
Post Office Address:	same as abo	ove		,
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Full name of additional jo	int inventor:	Ping Feng		
Inventor's signature:			Date:	————————————————————————————————————
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Full name of first joint inventor:	Steven M. Ruben		
			-
Inventor's signature:		Date:	
	Drive, Olney, MD 20832	Citizenship:	US
	is above	•	
Inventor's signature: Residence: 18528 Heritage Hills Post Office Address: same a Full name of first joint inventor: Inventor's signature: Residence: 22400 Rolling Hill R Post Office Address: same Full name of additional joint inventor Inventor's signature: Residence: 11601 Brandy Hall I Post Office Address: same as Full name of first joint inventor: Inventor's signature: Residence: 1055 Snipe Court, C Post Office Address: same Full name of additional joint inventor Inventor's signature: Residence: 9729 Clagett Farm I			
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		•	
Full name of first joint inventor:	Craig A. Rosen	······································	
<u>.</u>	•		
		Datas	
		Date:	775
		Citizenship:	US
Post Office Address: same a	is above	· 	
Full name of additional joint inventor	: Kenneth C. Carter		
Fill liding of additional John 211 (1911)			
Inventor's signature:		Date:	
	Lane, North Potomac, MD 20878	Citizenship:	US
			•
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•		•	-
Full name of first joint inventor:	Patrick J. Dillon		·
	·	Date:	
Inventor's signature:	-labort CA 02000	Citizenship:	US
·	arisbad, CA 92009	Citizensmp.	
Post Office Address: same	as above		
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Rull name of additional joint inventor	r: Gregory A. Endress		
full hame of account joint in			
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Inventor's signature:	cupin Co Cuchins	Date: List	3/99
Residence: 9729 Clagett Farm I	Drive, Polomac, MD 20954-2085	4 Citizenship:	US
Full name of additional joint inventor	r: Guo-Liang Yu		
•	•		
		Date:	
Inventor's signature:	1 1 0 1'6 1 04705	Citizenship:	CN
المراجع	erkeley, California 94705	— ·	
Post Office Address: same as	above		

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Ref No: PZ006P1 Serial No: 09/189,144

Full name of first joint inventor:	Jian Ni	
Inventor's signature:		Date:
	id, Rockville, MD 20853	Citizenship: CN
Post Office Address: same a	as above	
Full name of additional joint inventor:	: Ping Feng	
Inventor's signature:	•	Date:
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Inventor's signature:	·	Date:	
Residence: 18528 Heritage Hills Driv	ve, Olney, MD 20832	Citizenship:	US
Post Office Address: same as ab	المناصب ببديا سيرب فالتصافيات فينسا إببوات والميونية والميارية والمناب والمناب والمناب والمناب والمساورة	-	
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Evil name of first joint inventors	Craig A. Rosen		
Full name of first joint inventor:	Craig A. Rosen		
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Tell name of additional joint inventors	Kenneth C. Carter		
Full name of additional joint inventor:	Remedi C. Carter		
	,		
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•			
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Inventor's signature: Residence: 9729 Clagett Farm Drive	e. Potomac, MD 20954	Citizenship:	US
Post Office Address: same as above		-	
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•			
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To the discontinuous		Date: 7/2	3/7/
Inventor's signature: Residence: 242 Gravatt Dr., Berke	La California 94705	Citizenship:	CN
	up, Camornia 77705		
Post Office Address: same as abor	YU		

Your tasks at a second of the	
Inventor's signature: Date:	
Residence: 5502 Manorfield Road, Rockville, MD 20853 Citizenshi	p: CN
Post Office Address: same as above	
Full name of additional joint inventor: Ping Feng	
Inventor's signature: Date:	
Residence: 4 Relda Court, Gaithersburg, MD 20878 Citizenship:	US
Post Office Address: same as above	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Steven M. Ruben; Craig A. Rosen; Kenneth C. Carter; Patrick J. Dillon; Gregory A. Endress; Guo-Liang Yu; Jian Ni and Ping Feng, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

32 Human Secreted Proteins

for which application for United States Letters Patent was filed on November 10, 1998, and assigned Serial No. 09/189,144, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:_	Heren 1 Phin	Date: 5/11/99
	Steven M. Ruben	
		Date: 5//1/95
Inventor's Signature:	Craig A. Rosen	Date:Date:

		Date:
nventor's Signature:	Kenneth C. Carter	
	,	Date:
Inventor's Signature:	Patrick J. Dillon	·
		Date:
Inventor's Signature:	Gregory A. Endress	
·		
Inventor's Signature:	V.	Date:
Mivelifor a significant	Guo-Liang Yu	$A \longrightarrow A$
•		Data 3/13/33
Inventor's Signature:	Jian Ni	Date:
·		1-124199
Inventor's Signature:	Ming Jenz	Date:
Minchior 2 212 min -	Ping Feng	

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Inventor's Signature:	Steven M. Ruben	Date:
Inventor's Signature:	Craig A. Rosen	Date:

		Ref No: PZ0061 Serial No: 09/189,1
nventor's Signature:	Kenneth C. Carter	Date:
Inventor's Signature:	Patrick J. Dillon	Date:
Inventor's Signature:	Gregory A. Endress	Date:
Inventor's Signature:		Date:
mychtor s organia.	Guo-Liang Yu	
Inventor's Signature:	Jian Ni	Date:
Inventor's Signature:	Ping Feng	Date:

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Inventor's Signature:	Patrick J. Dillon	
•		Date:
Inventor's Signature:	Gregory A. Endress	
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Inventor's Signature:	Guo-Liang Yu	
		Date:
Inventor's Signature:	Jian Ni	
•	· · · · · · · · · · · · · · · · · · ·	Date:
Inventor's Signature:	Ping Feng	

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		,	
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<i>U</i>	Craig A. Rosen	·	

•		Date:
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-		Date:
Inventor's Signature:	Patrick J. Dillon	
	γ	Date: 6/3/99
Inventor's Signature:	Gregory A. Endress	Date:Date:
	Gregory A. Endress	
		Date:
Inventor's Signature:	Guo-Liang Yu	
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	Steven M. Ruben	·	
	•		
•			
Inventor's Signature:		Date:	·
<i>5</i>	Craig A. Rosen		

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nventor's Signature:	Kenneth C. Carter	
•		•
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Inventor's Signature:	Patrick J. Dillon	
		• .
	·	Date:
Inventor's Signature:	Gregory A. Endress	
		Date:
Inventor's Signature:	Guo-Liang Yu	
	· · · · · · · · · · · · · · · · · · ·	Date:
Inventor's Signature:	Jian Ni	•
-	•	
	·	Date:
Inventor's Signature:	Ping Feng	

VIA HAND DELIVERY FEBRUARY 5, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruben et al.

Atty. Docket No.: PZ006G13YP1C1D1

Application Number: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: 32 Human Secreted Proteins

ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents Washington, D.C. 20231

Sir:

The undersigned attorney of record hereby appoints the Practitioners at Customer Number 22195 as associate attorneys/agents to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the United States Patent and Trademark Office connected therewith.

Respectfully submitted,

Kenley K. Hoover

Reg. No. 40,302

Attorney for Applicants

Human Genome Sciences, Inc.

9410 Key West Avenue Rockville, MD 20850 Telephone: (301) 610-5771

KKH/JMM/CEW/ba/mlm